

AMENDMENT TO THE CLAIMS

1. (Canceled)

2. (Withdrawn) A stack-type nutriculture pot system formed by stacking a plurality of nutriculture pots each having culture soil for supporting a crop, wherein each of the plurality of nutriculture pots is shaped of a cylinder and having an upper end opened and a lower end closed, and has one or more nutrient supply ducts penetrate a bottom surface thereof to be installed substantially perpendicularly, so that the nutrient supply ducts of two vertically neighboring nutriculture pots are connected to each other when stacking the plurality of nutriculture pots, an outlet is provided at a connection portion between two neighboring nutrient supply ducts so that a nutrient solution contained in the nutrient supply duct flows out there through, and wherein crop growth units are formed at one or more lateral surfaces of the nutriculture pot.

3. (Currently Amended) The ~~stack-type~~ nutriculture [[pot]] system of claim 5 [[1]], wherein the ~~apertured growing units are sized such that crop growth units are as large as they allow leaves of the plant~~ [[crop]] having grown in the ~~growing medium~~ culture soil to spread toward the outside of the ~~receptacle~~ nutriculture pot.

4. (Currently Amended) The ~~stack-type~~ nutriculture [[pot]] system of claim 5 [[1]], further comprising an upper cover at the upper portion of the uppermost ~~receptacle~~ nutriculture pot of the ~~vertical column stack-type nutriculture pot system~~, the upper cover being shaped of a hopper, in which its cross-sectional area tapers downward.

5. (Currently Amended) The stack type nutriculture pot system of claim 1 A nutriculture system for cultivation of plants in a vertical array comprising:

a vertical column of stacked receptacles containing a growing medium, said receptacles having open upper and lower ends, a soil retainer received in the lower end and apertured growing units for receiving plants in one or more vertical surfaces of the receptacles,

wherein a rope throughhole is formed substantially at centers of the plurality of receptacles nutriculture pots and the upper cover, the system further comprising a wire rope passing through the rope throughhole, for integrally fastening the plurality of receptacles nutriculture pots, and

wherein a nutrient solution introduced into the upper end of the stacked receptacles passes through the uppermost receptacle through to the lowermost receptacle in the stacked column of receptacles.

6. (Withdrawn) A nutriculture device comprising:

moving means for periodically moving a plurality of nutriculture pots, each having culture soil for supporting a crop, on a predetermined closed loop type moving track;

a spray nozzle installed at a location on the moving track of the nutriculture pots, for supplying a nutrient solution to the nutriculture pot passing through the location; and

a nutrient solution recovery channel for recovering the nutrient solution flowing from the nutriculture pot.

7. (Withdrawn) The nutriculture device of claim 6, wherein the moving means comprises chain conveyors arranged at a predetermined height from the ground on the moving track of the plurality of nutriculture pots, and the nutriculture pots being spaced a predetermined

distance apart from each other and suspended on the chain conveyors to be transported along the moving track.

8. (Withdrawn) The nutriculture device of claim 6, wherein the moving means comprises chain conveyors arranged on the ground on the moving track of the plurality of nutriculture pots, and the nutriculture pots being seated on a plurality of pallets spaced a predetermined distance apart from each other on the chain conveyors

9. (Withdrawn) The nutriculture device of claim 8, wherein a thrust bearing is interposed between each of the pallets and each of the nutriculture pots to allow the nutriculture pots to be capable of freely rotating thereat.

10. (Withdrawn) The nutriculture device of claim 7, comprising two or more closed loop type chain conveyors arranged in a direction substantially perpendicular to the moving direction of the nutriculture pots, and distance adjusting means for adjusting a distance between the neighboring closed loop type chain conveyors.

11. (Withdrawn) The nutriculture device of claim 10, wherein the distance adjusting means comprises:

one or more rails disposed in a direction substantially perpendicular to the moving direction of the nutriculture pots;

one or more roller members for supporting the chain conveyors and configured to roll along the rails; and

driving mechanism for providing the chain conveyors with a driving force in the rail direction.

12. (Withdrawn) The stack-type nutriculture pot system of claim 2, wherein the crop growth units are as large as they allow leaves of the crop having grown in the culture soil to spread toward the outside of the nutriculture pot.

13. (Withdrawn) The stack-type nutriculture pot system of claim 2, further comprising an upper cover at the upper portion of the uppermost nutriculture pot of the stack-type nutriculture pot system, the upper cover being shaped of a hopper, in which its cross-sectional area tapers downward.

14. (Withdrawn) The stack-type nutriculture pot system of claim 2, wherein a rope throughhole is formed substantially at centers of the plurality of nutriculture pots and the upper cover, the system further comprising a wire rope passing through the rope throughhole, for integrally fastening the plurality of nutriculture pots.

15. (New) The nutriculture system of claim 5, wherein said receptacles have a rectangular cross section.